Programme OTAMP2014

	Monday, July 7	
	room 15	
09:00-09:30	**Registration**	
09:30-09:45	**Opening**	
09:45-10:25	**Anders Karlsson**: Spectral invariants of graphs and the Riemann zeta function	
	Coffee and tea	
11:00-11:40	**Vladimir Maz'ya**: Analytic criteria in the qualitative spectral analysis of the Schroedinger operator	
	room 15	**room 14**
12:00-12:25	**Sergey Belyi**: Inverse problems for L-systems	**Françoise Truc**: Semiclassical analysis for Schrödinger operator in the periodic U(2) gauge case
12:30-12:55	**Alexandra Enblom**: Estimates of eigenvalues of the Schrödinger operators with complex-valued potentials	**Martin Tautenhahn:** Quantitative unique continuation and Wegner estimate for the random breather model
	Lunch	
14:15-14:55	**Nils Dencker**: The spectral instability of non-self-adjoint operators	
15:00-15:40	**Rupert Frank**: Eigenvalue bounds for non-self-adjoint Schrödinger operators	
	Coffee and tea	
16:15-16:55	**Jonathan Breuer**: Jacobi matrices and central limit theorems in random matrix theory	
17:15-..........	*Reception*	

Tuesday, July 8

	room 15	
09:00-09:40	**Christiane Tretter**: Non-symmetric perturbations of self-adjoint operators with spectral gap	
09:45-10:25	**Marco Marletta**: The finite section method for dissipative operators	
	Coffee and tea	
	room 15	**room 14**
11:00-11:25	**Jonathan Harrison**: n-particle quantum statistics on graphs	**Volodymyr Derkach:** Darboux transformations of non-regular Jacobi matrices
11:30-11:55	**Hiroaki Niikuni**: Spectral band structure of periodic Schrödinger operators on generalized degenerate zigzag nanotubes	**Marcin Moszyński:** Selections of eigenvectors
12:00-12:25	**Michal Jex:** Properties of the ground state for the quantum graphs with attractive δ-coupling	**Frantisek Stampach**: The Nevanlinna parametrization and orthognality relations for q-Lommel polynomials in the indeterminate case
12:30-12:55	**Mikhail Cherdantsev**: Spectral asymptotics of Laplacian in a network of thin domains	**Nikos Stylianopoulos**: Orthogonal polynomials in the complex plane and applications to moment problems
	Lunch	
14:15-14:55	**Jussi Behrndt**: Schrödinger operators with delta interactions supported on manifolds	
15:00-15:40	**Jacob Stordal Christiansen**: Infinite gap sets and Lieb-Thirring bounds	
	Coffee and tea	
16:15-16:55	**Stanislas Kupin**: Lieb-Thirring type inequalities for complex perturbations of certain operators of mathematical physics	
17:15	*Bus leaves for Guided Tour at Institut Mittag-Leffler*	

	Wednesday, July 9	
	room 15	
09:00-09:40	**Gerald Teschl**: Long-time asymptotics for the Toda shock problem	
09:45-10:25	**Edward Brian Davies**: Real and complex spectrum of a family of large NxN matrices	
	Coffee and tea	
	room 15	**room 14**
11:00-11:25	**Seppo Hassi**: Some new classes of abstract boundary mappings for symmetric operators	**Michael Levitin:** On non-real eigenvalues of an indefinite Sturm-Liouville operator
11:30-11:55	**Daphne Gilbert:** Eigenfunction expansions associated with the one-dimensional Schrödinger operator	**Petr Siegl:** Root system of singular perturbations of the harmonic oscillator type operators
12:00-12:25	**Luis O. Silva:** Singular Schrödinger operators as self-adjoint extensions of n-entire operators	**Radek Novak**: Bound states in $\mathcal{PT}$-symmetric layers
12:30-12:55	**James Kennedy**: Summation formula inequalities for eigenvalues of Schrödinger operators	**Marcel Hansmann**: On non-round points of the boundary of the numerical range and an application to non-self-adjoint Schrödinger operators
	Lunch	
14:00-21:00	*Boat excursion and conference dinner* *Busses leave at **14:15***	

	Thursday, July 10	
	room 15	
09:00-09:40	**Yulia Karpeshina**: Quantum transport properties of Schrödinger operator with limit-periodic potential in dimension two	
09:45-10:25	**David Krejcirik**: Pseudospectra in non-Hermitian quantum mechanics	
	Coffee and tea	
11:00-11:40	**Ram Band**: Neumann Nodal Domains	
	room 15	**room 14**
12:00-12:25	**Sergey Poghosyan**: Quantum graph vertices with minimal number of passbands	**Vladimir Sloushch**: Discrete spectrum of periodic Schrödinger operator with non-constant metric in the case of non-negative perturbations
12:30-12:55	**Sergey Simonov**: On generalizations of Kac theorem on spectral multiplicity for star-graphs	**Jockum Aniansson**: Some remarks on the semicircle and arcsine
	Lunch	
14:15-14:55	**Ian Wood**: Gap localization by arbitrarily weak waveguides in photonic bandgap structures	
15:00-15:40	**Jan Derezinski**: On the excitation spectrum of the Bose gas	
	Coffee and tea	
	room 14	
16:15-16:40	**Jan-Erik Björk**: Sonja Kovalevsky and her years as professor in Stockholm	
16:40-.....	*Visit to the library*	

	Friday, July 11	
	room 15	
09:00-09:40	**Rudi Weikard**: Stability for the inverse resonance problem for the CMV operator	
09:45-10:25	**Håkan Hedenmalm**: On the uniqueness theorem of Holmgren	
	Coffee and tea	
	room 15	**room 14**
11:00-11:25	**Matěj Tušek**: Nodal sets of eigenfunctions of the Laplacian in thin curved layers	**Gunter Stolz**: A surprising random Jacobi matrix
11:30-11:55	**André Hänel**: Eigenvalue asymptotics for the Laplace-operator on an infinite strip with mixed boundary conditions	**Maurice Duits**: On mesoscopic equilibrium for Dyson's Brownian motion
12:00-12:25	**Diana Barseghyan**: Semiclassical bounds in magnetic bottles	**Ivica Nakić**: Equidistribution properties of linear combinations of eigenfunctions of Schrödinger operators
12:30-12:55	**Andrii Khrabustovskyi**: Spectral properties of domains with "room-passage" perturbations	**Gustav Karreskog:** Bounds of the eigenvalues of quantum graphs with δ-conditions
	Lunch	
14:15-14:55	**Andrey Shkalikov**: Non-self-adjoint Sturm-Liouville Operators with Parameter	
15:00-15:40	**Pavel Exner**: Spectral properties of Schrödinger operators with narrowing channels	
	Coffee and tea	